

Application Serial No. 10/687,450
Reply to Office Action of May 2, 2006

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PATENT
Docket: CU-3408

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Amendments to the Claims

The listing of claims presented below replaces all prior versions, and listings, of claims in the application.

Listing of claims:

1. (currently amended) An electroluminescent element comprising at least a substrate, an electrode formed on the substrate and an electric light emitting layer, wherein, in an element region where an electric field is applied to a pair of facing electrodes, an area of a light emitting region of the same electric light emitting layer changes in an element region where an electric field is applied to a pair of facing electrodes according to a voltage applied to the electric light emitting layer.
2. (original) The electroluminescent element according to Claim 1 wherein the light emitting region changes with a change of brightness per unit area.
3. (original) The electroluminescent element according to Claim 1 wherein, in the element region where an electric field is applied to a pair of facing electrodes, a thickness of the thickest part of the light emitting layer is within 300% of the thickness of the thinnest part.
4. (original) The electroluminescent element according to Claim 2 wherein, in the element region where an electric field is applied to a pair of facing electrodes, a thickness of the thickest part of the light emitting layer is within 300% of the thickness of the thinnest part.
5. (original) The electroluminescent element according to Claim 3 wherein the thickness of the thickest part of the light emitting layer is within 220% of the thickness of the thinnest part.
6. (original) The electroluminescent element according to Claim 4 wherein the thickness of the thickest part of the light emitting layer is within 220% of the thickness of the thinnest part.

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7. (original) The electroluminescent element according to Claim 3 wherein the thickness of the thinnest part of the light emitting layer is not less than 10 nm and not more than 500 nm.

8. (original) The electroluminescent element according to Claim 4 wherein the thickness of the thinnest part of the light emitting layer is not less than 10 nm and not more than 500 nm.

9. (original) A display comprising the electroluminescent element according to Claim 1 as a pixel unit wherein the display is driven by a digital gradation driving method in which a low voltage value at which the pixel does not emit light is a non-selected state, and a high voltage value at which the light emitting region within the pixel is saturated is a selected state.

10. (original) A display comprising the electroluminescent element according to Claim 2 as a pixel unit wherein the display is driven by a digital gradation driving method in which a low voltage value at which the pixel does not emit light is a non-selected state, and a high voltage value at which the light emitting region within the pixel is saturated is a selected state.

11. (original) The electroluminescent display according to Claim 1 wherein the digital gradation driving method is a time divisional gradation driving method, an area divisional gradation driving method or a combination of the time divisional gradation driving method and area divisional gradation driving method.

12. (original) The electroluminescent display according to Claim 2 wherein the digital gradation driving method is a time divisional gradation driving method, an area divisional gradation driving method or a combination of the time divisional gradation driving method and area divisional gradation driving method.

13. (original) The electroluminescent display according to Claim 1 wherein at least the light emitting layer of the electroluminescent element is formed by a wet process of an ink jet method, a printing method, a casting method, a layer-by-layer self-

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assembling method, a spin coating method, a dipping method or dispenser method.

14. (original) The electroluminescent display according to Claim 2 wherein at least the light emitting layer of the electroluminescent element is formed by a wet process of an ink jet method, a printing method, a casting method, a layer-by-layer self-assembling method, a spin coating method, a dipping method or dispenser method.

15. (original) An electronic device using a display according to Claim 1 as a displaying part.

16. (original) An electronic device using a display according to Claim 2 as a displaying part.